



E85 Coalition






ENERGY

Evolution of Dominant Fuel

Energy Age	Fuel Type	State	%C	%H
To 1870s	Dry Wood	solid	90	10
1870s-1950s	Coal	solid	62	38
1950s-2000	Oil	liquid	36	64
2000-??	Natural gas	gas	20	80
??	Hydrogen	gas	0	100





Ethanol usage reduced
Greenhouse Gas Emissions
by 5.7 million tons in 2003
which is equal to removing
more than 853,000 cars
from the road





Growing congressional and public concern about increasing dependence on foreign oil (today is greater than 60%; 2010 maybe 70 %)

- EPA oil displacement goals
- Oil price increases linked to outside factors

Currently, world oil production capacity exceeds demand

Within 20 years, world oil demand projected to grow by at least 50 % (China (150%), FSR (100%), pacific rim (120%))

Future demand projected to outstrip supply capability

Tripling the use of domestic ethanol would replace our current Iraqi oil imports





Mission Statement

To increase knowledge,
resources, gallons
consumed and retail
availability of E85 in
Colorado.





E85

- Oil accounts for 35% of the US trade deficit
- Imported oil costs the US \$300 million per day
- Boosts US employment (Tripling ethanol usage would provide 192,000 jobs from ethanol production alone)
- Tripling ethanol usage would improve US trade balance by \$2 billion



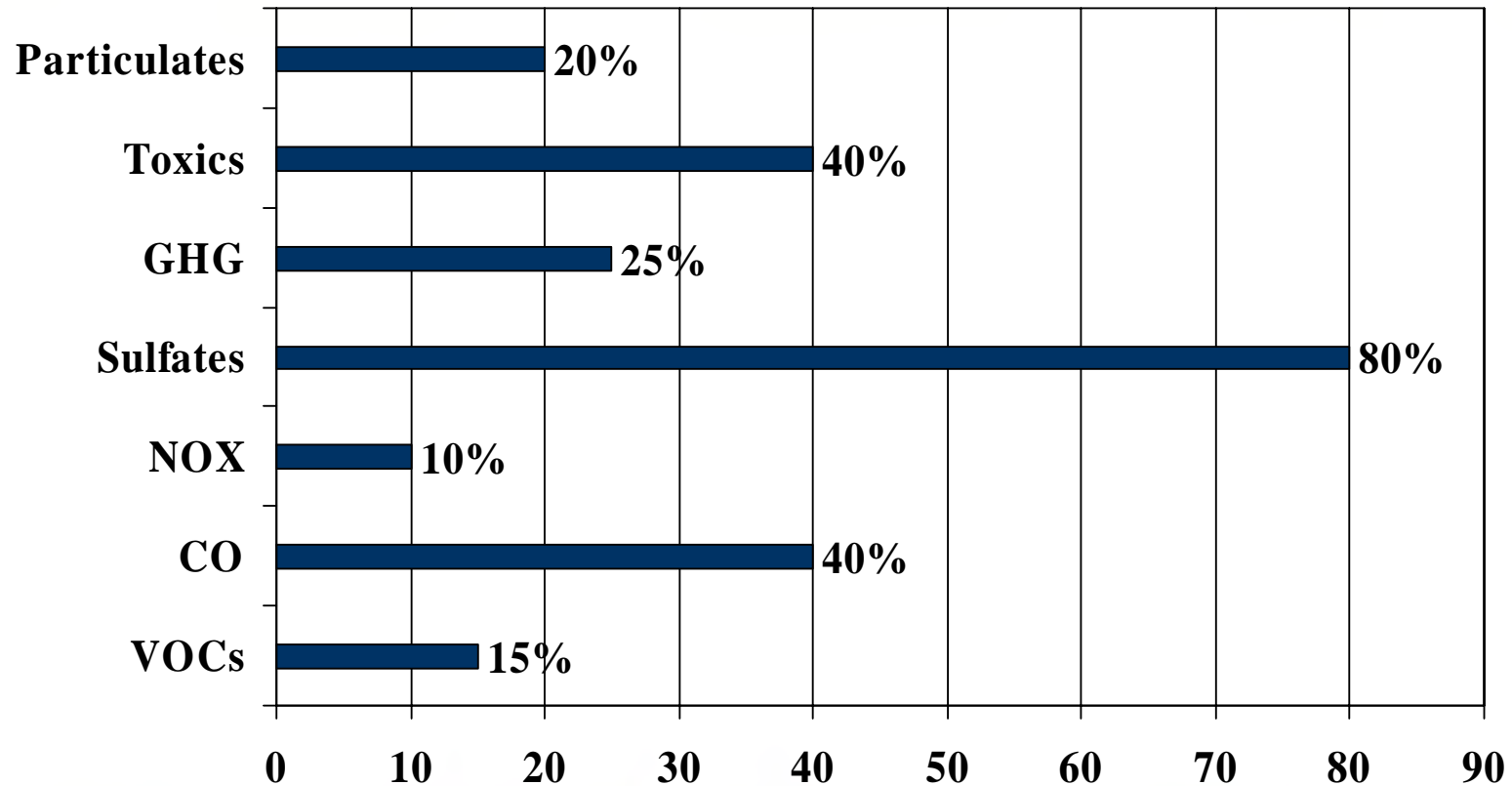


E85

- Ethanol produced from corn (90%) , wheat, potatoes, brewery waste, etc. is blended with gasoline. (85% ethanol with 15% gasoline)
- E10 is used in winter to reduce CO emissions
- Tripling the use of domestic ethanol would replace our current Iraqi oil



E85 Reduction of Pollutants



Funding and Membership

- Funded by the Governor's Office of Energy Management and Conservation

- Interests Represented:

Petroleum Marketers and Distributors

Oil Companies

Automobile Manufacturers and Dealers

Agriculture

Ethanol Producers

Public Health and Air Quality

Office of Energy & Management

Environmentalists



Goals/ Measures of Success

- 10 additional E85 pumps in Colorado (double the number in next 12-18 months)
- Double the gallons of E85 consumed in next 12-18 months by promoting the use of E85
- Educate consumers, fleets, pump owners, and dealers about E85



Some Facts

- Approx. 4.5 million Flex-Fuel Vehicles (FFVs) on US roads.
- Roughly 300,000 FFVs are in Colorado; comprising over 6.5% of all US FFVs.
- Colorado's population represents about 1.5 % of the total US population so we have 4.33 times as many FFVs as would be randomly expected.
- 40% of Colorado FFVs in less than 6% of Colorado's Zip Code Areas



More Information

- If all 300,000 FFVs in Colorado used E85, they would consume approx. 167 million gallons of straight ethanol per year.
- If all 4.5 million FFVs in the US used E85, the number grows to over 2.5 billion gallons of straight ethanol.
- Three times the current 4.5 million US FFVs could be fully powered by E85 when the EPA standard of 7.5 billion gallons/year is implemented – as early as 2008



Thoughts to Ponder

- For every 37 gallons of E85 used you save 1 barrel of oil
- There is only 19.2 oz of gasoline in every gallon of E85
- A vehicle getting 15 MPG of fuel using E85 will be getting 100 MPG of petroleum products



How You Can Get Involved

- Join a subcommittee
- Use E85 in all FFV's in your fleets
- Tell everybody about E85 and FFV's
- Contact us if you are interested in installing pumps and tanks for E85...
there is money and marketing available!

http://www.state.co.us/oemc/programs/transportation/e-85_coalition.htm





Questions/ Discussion

